

### IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A self-service machine, comprising:
  - a housing;
  - a door mounted to the housing for gaining access to the inside of the housing;
  - a switch connected to the door and the housing, wherein the switch ~~is configured to detect~~ generates an open door detection signal when the door is open;
  - a processor connected to the switch through the open door detection signal; and
  - a tamper detection mechanism, wherein the tamper detection mechanism includes:
    - a tamper detection controller;
    - an emitter; and
    - a sensor,

wherein one of the emitter and sensor is mounted to the housing and one of the emitter and sensor is mounted to the door;

wherein the tamper detection controller drives the emitter with a signal and monitors the sensor to determine if it generated an inverted version of the signal; and

wherein the tamper detection mechanism is connected to the ~~switch~~ open door detection signal and operates in conjunction with the ~~switch~~ open door detection signal to notify the processor that the door ~~was opened~~ is open.
2. (Original) The self-service machine according to claim 1, wherein the tamper detection controller is mounted physically separate from the processor.
3. (Previously Presented) The self-service machine according to claim 1, wherein the emitter is mounted to a portion of a door interlock mechanism and wherein the switch is part of the door interlock mechanism.

4. (Previously Presented) The self-service machine according to claim 1, wherein the sensor is mounted to a portion of a door interlock mechanism and wherein the switch is part of the door interlock mechanism.
5. (Currently Amended) The self-service machine according to claim 1, wherein the sensor and emitter operate to generate an inverted signal and wherein the tamper detection controller generates an alarm through ~~its connection to the switch~~ the open door detection signal if the signal received from the sensor is not inverted.
6. (Currently Amended) The self-service machine according to claim 1, wherein the tamper detection mechanism ~~further~~ includes a relay connected to the ~~switch~~ open door detection signal wherein the relay operates to activate the open door detection signal when the tamper detection mechanism detects that the door is open.
7. (Currently Amended) A gaming machine, comprising:
  - a housing;
  - a door mounted to the housing for gaining access to the inside of the housing;
  - ~~a gaming mechanism;~~
  - a door interlock mechanism connected to the housing and the door, wherein the door interlock mechanism includes means, ~~connected to the door interlock mechanism,~~ for generating ~~a door open alarm~~ an open door detection signal when the door is open; ~~and~~
    - a gaming mechanism connected to the door interlock mechanism through the open door detection signal; and
  - a tamper detection mechanism, wherein the tamper detection mechanism includes:
    - a tamper detection controller;
    - an emitter; and
    - a sensor,
  - wherein one of the emitter and sensor is mounted to the housing and one of the emitter and sensor is mounted to the door; ~~and~~

wherein the tamper detection controller drives the emitter with a signal, monitors the sensor for a version of the signal and operates in conjunction with the door interlock mechanism to generate the ~~door open~~ door detection signal ~~alarm~~ if the version of the signal is not received as expected; and

wherein the tamper detection mechanism is connected to the open door detection signal and operates in conjunction with the open door detection signal to notify the gaming mechanism that the door is open.

8. (Original) The gaming machine according to claim 7, wherein the emitter is mounted to a portion of the door interlock mechanism.

9. (Original) The gaming machine according to claim 7, wherein the sensor is mounted to a portion of the door interlock mechanism.

10. (Original) The gaming machine according to claim 7, wherein the sensor and emitter operate to generate an inverted signal and wherein the tamper detection controller generates an alarm if the signal received from the sensor is not inverted.

11. (Original) The gaming machine according to claim 7, wherein the tamper detection controller is mounted physically separate from the gaming mechanism.

12. (Currently Amended) The gaming machine according to claim 7, wherein the tamper detection mechanism ~~further~~ includes a relay connected to the door interlock mechanism, wherein the relay activates the ~~door open~~ door detection signal ~~alarm~~.

13.-16. (Canceled)

17. (Currently Amended) A method of retrofitting a gaming machine in order to detect tampering with objects within the housing of the gaming machine, the method comprising:

mounting one of an emitter and a sensor to the housing and one of the emitter and the sensor to the object, wherein mounting includes positioning the emitter and sensor such that radiation generated by the emitter falls on the sensor when the object is in a particular position and to a lesser extent otherwise;

installing a tamper detection controller, wherein installing includes connecting the tamper detection controller to the emitter and the sensor and to an existing tamper detection mechanism, wherein connecting the tamper detection controller to an existing tamper detection mechanism includes running an existing gaming machine signal through the tamper detection controller;

generating a tamper detection signal at the tamper detection controller and driving the emitter with the tamper detection signal;

monitoring the sensor for an inverted version of the tamper detection signal; and

generating an alarm through the existing tamper detection mechanism if the inverted version of the tamper detection signal is not detected.

18. (Currently Amended) The method of claim ~~16~~ 17, wherein ~~connecting the tamper detection controller to an existing tamper detection mechanism includes running an~~ the existing gaming machine signal is an open door detection signal generated by the existing tamper detection mechanism. through the tamper detection controller.

19. (Original) The method of claim 17, wherein the method further comprises generating an alarm if the existing gaming machine signal is not detected.

20. (Currently Amended) A kit for retrofitting a self-service machine in order to detect tampering with objects within the housing of the self-service machine, the kit comprising:

a tamper detection controller, wherein the tamper detection controller includes means for installing the controller within the housing, wherein the means for installing includes means for connecting the controller to an existing tamper detection mechanism, wherein the means for connecting the controller to an existing tamper detection mechanism includes means for running an existing gaming machine signal through the tamper detection controller;

an emitter, wherein the emitter generates radiation in response to a driving signal; and

a sensor capable of generating a signal as a function of radiation falling on the sensor, wherein the emitter and the sensor include means for positioning the emitter and sensor within the housing such that radiation generated by the emitter falls on the sensor when the object is in a particular position and to a lesser extent otherwise; and

wherein the tamper detection controller, when installed in the gaming machine, generates a signal, drives the emitter with the signal, monitors the sensor for an inverted version of the signal and generates an alarm through the existing tamper detection mechanism if the inverted version of the signal is not detected.

21. (Previously Presented) The kit according to claim 20, wherein the positioning means includes a light emitting diode (LED) used to indicate that the emitter and sensor are aligned properly.

22. (Canceled)

23. (Previously Presented) The kit according to claim 20, wherein the object is a peripheral.

24. (Currently Amended) The kit according to claim ~~20~~ 23, wherein the peripheral is a hopper.

25. (Previously Presented) The kit according to claim 20, wherein the object is a door.

26. (Currently Amended) A tamper detection system for increasing detection of tampering of an object associated with a self-service machine having a housing, the system comprising:

mounting means for mounting one of an emitter and a sensor to the housing and one of the emitter and the sensor to the object, wherein mounting means positions the emitter and sensor such that radiation generated by the emitter falls on the sensor when the object is in a particular position and to a lesser extent otherwise, wherein the mounting means includes means for connecting the controller to an existing tamper detection mechanism, wherein the means for

connecting the controller to an existing tamper detection mechanism includes means for running an existing gaming machine signal through the tamper detection controller;

means for generating a signal;  
means for driving the emitter with the signal;  
means for modifying the signal;  
means for monitoring the sensor for a modified version of the signal; and  
means for generating an alarm through the existing tamper detection mechanism if the modified version of the signal is not detected.

27. ~~(Canceled) The method of claim 26, wherein installing a tamper detection controller further includes running an existing gaming machine signal through the tamper detection controller.~~

28. ~~(Canceled) The method of claim 27, wherein the method further comprises generating an alarm if the existing gaming machine signal is not detected.~~

29. (Currently Amended) The method of claim ~~28~~ 26, wherein modifying includes inverting the signal.